

**Strategic University Research Partnership  
Director's Research and Development Fund Proposal FY 2009  
Due Date: December 12, 2008, by 4 PM PST**

<b>1. Title</b>		
<b>2. JPL Principal Investigator</b> — include only one JPL PI First / Last (JPL Org)		<b>3. Co-Investigator(s)</b> — University and JPL Co-Is; include name, university/dept or JPL org, email
<b>4. Total Budget Request for FY09:</b>		
<b>5. Student Participants</b> — include name, email, and academic level (post doc, grad, undergrad, other)		
<b>6. Identify one Primary (P) Topic Area to which your proposal applies and any Secondary (S) Area(s).</b>		
<b>P</b>	<b>S</b>	<b>Topical Area</b>
		1. Advance Solar System Exploration in New Directions: To Understand Planetary Formation and Evolutionary Pathways, and to Seek, Discover and Inventory the Organic Materials in the Solar System and Elucidate Their Origins
		2. Determining the Geometry and Structure of Our Universe
		3. Characterizing Exoplanets Where Life Could Exist
		4. An Integrated Earth System Science Information System for Research and Applications
		5. Achieving Breakthrough Increases in Interplanetary Communications
		6. Enabling Robotic Missions to Scientifically Interesting Extreme Environments
		7. Enabling Autonomous Human Missions to the Moon and Mars
		8. Fractionated, Distributed, Repairable, Reconfigurable, Reusable Missions
		9. Large, Precise Space Structures to Enable Future Observing Instruments
		10. Develop and Nurture the Next Generation of "Rocket Scientists"
<b>7a. General Objectives</b> — Clearly and concisely state the proposed objectives, goals and expected deliverables and/or products of the proposed work.		
<b>7b. Quantitative Objectives</b> — Discuss quantitative improvement in capability expected in your results; compare with current capabilities inside and outside of JPL.		

**8. Approach—** Describe how you plan to achieve your objectives. Identify specific tasks and milestones that will be accomplished.

**9. Describe the innovative features of this proposal—** What new ideas are being applied to produce a new evolutionary or revolutionary advance?

**10. Contribution of Partner University—** Describe what strengths the partner university brings to the proposed work. List and describe specific tasks, responsibilities, and time periods. Provide sufficient detail so that this may be used as the Statement of Work for a JPL sub-contract to the university, which will expedite the transfer of funds.

**11. Exchange of personnel—** Describe any plans to have work performed at JPL by university personnel or at the university by JPL personnel. Commitment by the appropriate JPL and/or university organization to host the proposed personal exchange must be obtained and so stated in this section. (Expenses incurred for any exchange must be included in the budget request.)

**12. Significance and impact of results on JPL missions and programs—** How does this effort contribute to accomplishing the strategic challenge?

**13. Has the proposal been submitted elsewhere? —**If yes, explain.

**14. Plans for follow-on funding—** Provide a realistic assessment of future funding potential. Discuss how this proposal may enhance the probability of such funding.

**15. Budget**— Please complete the budget sheet below. Contact your Section Administrator or Business Administrator Manager for FY09 rates and for assistance in filling out the form.

**16. Partner contract administrator contact information**— Provide name of contract administrator, address, phone number, and email.

**17. JPL Principal Investigator Signature**

Name:

Org:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**18. JPL PI Division Manager Signature**

Name:

Org:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**19. University Co-Investigator Signature**

Name:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**20. University Representative with Signature Authority**

Name:

Title:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

### Budget Sheet

Category	AT JPL	AT EXTERNAL INSTITUTION(S)
<b>DIRECT COST</b>		
1. Salaries (Itemize) <i>(Only "itemize" the person names or job classifications and the number of hours for each. You can show one total \$ salary figure for labor.)</i>		
2. Labor Fringe Rates - Employee Benefits		
3. Cat A Labor (Itemize) <i>(Only "itemize" the person names or job classifications and the number of hours for each. You can show one total \$ figure for labor.)</i>		
4. Procurements –Equipment, Materials and Supplies (Itemize). JPL - Do not list the contracts for outside collaborators. This total is on line #12 on the external collaborator column.		
5. Procurements – Subcontracts (Itemize) <i>(PS – contracts other than with collaborators)</i>		
6. Services – (Itemize) <i>(JPL be sure to include in-house services at JPL)</i>		
7. Domestic Travel <i>(only as a research cost; and domestic conference travel is allowed up to a maximum 5% of the total budget)</i> Itemize with what and where the travel is required.		
8. Other (Itemize) <i>(Chargebacks, etc.)</i>		
9. Total Direct Costs (total of dollars 1 through 8)		
<b>10. ALLOCATED DIRECT COSTS (ADC)</b>		
ADC <b>FY09</b> - See Section Administrator or Business Administration Manager for current rates. ADC costs are calculated on the JPL's total direct costs Item #9 and the external institution(s) budget item #12.		
ADC at JPL consisting of: a. Labor ADC b. RSA Contract ADC c. Other Contracts ADC d. Purchase Orders e. General ADC Enter total on Item #10		
11. Overhead -external Institution		
12. Individual Budget: <i>(JPL add Item #9 Direct Cost and #10 ADC costs for total JPL budget)</i> <i>External Institution add Item #9 and Item #11 Overhead for total)</i>		
13. Combined Budget: <i>(JPL Budget plus External Institution Budget)</i>	\$	

**Figures, Graphics, Tables, etc.**

*(Please do not use "text-wrapping" when incorporating graphics at the end of the report.)*